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**CERTIFICATE OF MAILING UNDER 37 CFR 1.8**

I hereby certify that this correspondence and any document referred to as being attached thereto is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on June 15, 2005.

LUZ C. BRAUNSTEINER  
(Name of Person Mailing)

Signature

*Luz C. Braunsteiner*

PATENT  
Attorney Docket No.: 57715/03-507  
Supplemental IDS with Certification  
under 37 CFR 1.97(e)(1)  
Page 1 of 3

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: William R. RAUN et al.  
Serial No.: 10/801,757  
Filed: 03/16/2004  
Confirmation No.: 3433  
Title: Use of within-field-element-size CV for improved nutrient fertilization in crop production  
Group: 3643  
Examiner: Unknown

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**TRANSMITTAL OF SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT  
WITHIN THREE MONTHS OF FILING OR  
BEFORE MAILING OF FIRST OFFICE ACTION (37 C.F.R. 1.97(b))**

**List of Sections Forming Part of This Information Disclosure Statement**

The following sections are being submitted for this Information Disclosure Statement:

1. Timing of Statement (with any required certifications)
2. Preliminary Statements
3. Forms PTO-1449 (Modified)
4. Comments on References
5. Identification of Person(s) Making This Information Disclosure Statement

**Section 1. Timing of Statement (with any required certifications)**

The information disclosure statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. 37 C.F.R. section 1.97(b).

**Section 2. Preliminary statements**

Applicant submits herewith patents, publications or other information, of which he is aware that he believes may be material to the examination of this application, and in respect of which, there may be a duty to disclose.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 C.F.R. section 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

**Section 3. Form PTO-1449 (Modified)**

Attached.

**Section 4. Comments on References**

None.

**Section 5. Identification of Person Making This Information Disclosure Statement**

The person making this certification is:

- a. the practitioner who signs below on the basis of the information in the practitioner's file.

No additional fee is believed to be due. However, if any fee is made payable by the filing of this paper, please consider this our authorization to charge the deposit account of the undersigned, Deposit Account No. 06-0540.

Respectfully submitted,

6/15/05  
DATE

  
SIGNATURE OF PRACTITIONER

Reg. No.: 36,050

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(Type or print name of practitioner)

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<b>FORM PTO-1449 (Modified)</b>  <b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use several sheets if necessary)</i>	Attorney Docket No.: 57715/03-507	
	Applicant(s): William R. RAUN et al.	
	Title: Use of within-field-element-size CV for improved nutrient fertilization in crop production	
	Serial No.: 10/801,757	Filing Date: 03/16/2004
	Group: 3433	Examiner: Unknown

### U.S. PATENT DOCUMENTS

Examiner Initials		Document No.	Date	Name	Class	Subclass
	AA					

### FOREIGN PATENT DOCUMENTS

Examiner Initials		Document No.	Date	Name (Inventors)	Class	<u>Translation</u> Yes / No
	AB	EP 1 429 594 B1	April 2003	Reusch	A01B 79/00	No

### OTHER ART

Examiner Initial		(Including Author, Title, Date, Pertinent Pages, Etc.)
	AC	Hooper, A.W. 1976. A photoelectric sensor for distinguishing between plant material and soil. <i>J. Agric. Eng. Res.</i> Volume 21, 145-155

Examiner Initial		(Including Author, Title, Date, Pertinent Pages, Etc.)
	AD	Industrial Control Applications, March 1991. Infrared sensing and data transmission fundamentals. Motorola. DL412/D, AN1016, pp 349-354; <a href="http://www.web-ee.com/primers/files/an1016.rev0.pdf">http://www.web-ee.com/primers/files/an1016.rev0.pdf</a>
	AE	"Seeing the Light of Nitrogen." <i>Nebraska Farmer</i> . Mid-February 1996, pp 14-16.
	AF	Palmer, J et al. 1971. Automatic control of sugar beet singling and thinning by means of an on-line digital computer. <i>J. Agric. Eng. Res.</i> Volume 16 (2) pp 107-125
	AG	Ritchie, J.C et al. 1992. Airborne laser measurements of rangeland canopy cover and distribution. <i>J. Range Manage.</i> 45:189-193
	AH	Stafford, J.V. et al. 1989. A portable infrared moisture meter for agricultural and food materials: Part 1, Instrument development. <i>J. Agric. Eng. Res.</i> Volume 43, pp 45-56
	AI	Stone, M. et al. ~1994 to 1995. High Speed Networking in Construction and Agricultural Equipment. Web Pub. <a href="http://biosystems.okstate.edu/Home/mstone/hsnet.htm">http://biosystems.okstate.edu/Home/mstone/hsnet.htm</a>
	AJ	Tools with Eyes. Mid-March 1989. <i>Farm Journal</i> . pp 16-18

Examiner Signature	Date Considered
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Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609;  
Draw line through citation if not in conformance. Include copy of this form with next communication to applicant.